Contents to Volume 42

Volume 42 No. 1 October (I) 1997

SHUNLONG LUO / Discrete Series of SU(1, 1) and Gaussian Deformation 1–10

REINHARD HONEGGER / On the Continuous Extension of States on the CCR Algebra 11–25

SALIH ÇELİK / The Hopf Algebra Structure of $GL(1, H_q)$ and the Isomorphism Between $SP_q(1)$ and $SU_q(2)$ 27–34

NAOYA MIYAZAKI / A Remark on the Maslov Form on the Group Generated by Invertible Fourier Integral Operators 35–41

MICHAEL K.-H. KIESSLING and JOEL L. LEBOWITZ / The Micro-Canonical Point Vortex Ensemble: Beyond Equivalence 43–58

M. A. OLSHANETSKY / Generalized Hitchin Systems and the Knizhnik–Zamolodchikov–Bernard Equation on Elliptic Curves 59–71

YI CHENG and ZHIFENG LI / Poisson Structures for Dispersionless Integrable Systems and Associated W-Algebras 73–83

ANDREA POSILICANO / Poincaré-Invariant Markov Processes and Gaussian Random Fields on Relativistic Phase Space 85–93

GUIDO COGNOLA and SERGIO ZERBINI / Zeta-Function on a Generalised Cone 95–101

Volume 42 No. 2 October (II) 1997

GIUSEPPE GAETA / Reduction of Poincaré Normal Forms 103–114

C. H. OH and K. SINGH / q-Deformation of the Krichever–Novikov Algebra 115–122

NICOLA CICCOLI / Quantization of Co-Isotropic Subgroups 123–138

DMITRIJ SOROKIN and FRANCESCO TOPPAN / An $n = (1,1)$ Super-Toda Model Based on OSp(1\|4) 139–152

MICHEL BAUER and DENIS BERNARD / On Root Multiplicities of Some Hyperbolic Kac–Moody Algebras 153–166

ANDREAS RUFFING and MYRIAM WITT / On the Integrability of q-Oscillators Based on Invariants of Discrete Fourier Transforms 167–181

MICHEL DUBOIS-VIOLETTE and IVAN T. TODOROV / Generalized Cohomologies and the Physical Subspace of the SU(2) WZNW Model 183–192

Erratum:

PAVEL EXNER / Weakly Coupled States on Branching Graphs, *Lett. Math. Phys.* **38**(3) (1996), 313–320. 193

Volume 42 No. 3 November 1997

MARK RAKOWSKI and SIDDHARTHA SEN / Homology in Abelian Lattice Models 195–204

DAVID H. ADAMS / A Note on the Faddeev–Popov Determinant and Chern-Simons Perturbation Theory 205–214

ASAO ARAI / A New Estimate for the Groundstate Energy of Schödinger Operators 215–227

TAKU MATSUI / On the Spectra of the Kink for Ferromagnetic *XXZ* Models 229–239

R. COQUEREAUX / Differentials of Higher Order in Noncommutative Differential Geometry 241–259

EMMANUEL PEREIRA and ALDO PROCACCI / Block Renormalization Group Approach for Correlation Functions of Interacting Fermions 261–270

HIDETOSHI AWATA, SATORU ODAKE and JUN'ICHI SHIRAISHI / q-Difference Realization of $U_q(\mathrm{sl}(M \mid N))$ and Its Application to Free Boson Realization of $U_q(\widehat{\mathrm{sl}}(2 \mid 1))$ 271–279

GERALD HOFMANN / The Hilbert Space Structure Condition for Quantum Field Theories with Indefinite Metric and Transformations with Linear Functionals 281–295

Erratum:

R. L. HUDSON and V. R. STRULECKAJA / Fermionic Quantum Stochastic Flows, *Lett. Math. Phys.* **37** (1996), 309–317 297

Volume 42 No. 4 December 1997

SALIH CELIK / Two-Parametric Extension of h-Deformation of GL(1 | 1) 299–308

R. COQUEREAUX / On the Finite-Dimensional Quantum Group $M_3 \oplus (M_{2|1}(\Lambda^2))_0$ 309–328

YI MING ZOU / A Multi-Parameter Reduced Deformation of U(sl($m+n$)) 329–335

MARC HENNEAUX, BERNARD KNAEPEN and CHRISTIANE SCHOMBLOND / BRST Cohomology of the Chapline–Manton Model 337–348

GREGORIO FALQUI, CESARE REINA and ALESSANDRO ZAMPA / Krichever Maps, Faà di Bruno Polynomials, and Cohomology in KP Theory 349–361

JACKY CRESSON / A λ-Lemma for Partially Hyperbolic Tori and the Obstruction Property 363–377

YU. MELNIKOV / On Spectral Analysis of an Integral-Difference Operator 379–387

RICHARD L. LIBOFF / Conical Quantum Billiard 389–391